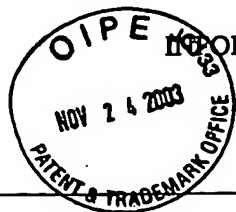


FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
40146/32:6APPLICATION NO.  
10/649,116INFORMATION DISCLOSURE CITATION  
(Uses several sheets if necessary)APPLICANT  
Paul Bacchi and Paul S. FilipskiFILING DATE  
August 26, 2003

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3661

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m.m	AA	6	6	1	8	6	4	5		09/09/03	Bacchi et al.	700	254	08/15/02
	AB	6	4	5	3	2	1	4		09/17/02	Bacchi et al.	700	245	08/02/01
	AC	6	4	3	8	4	6	0		08/20/02	Bacchi et al.	700	245	08/01/01
	AD	6	2	7	5	7	4	8		08/14/01	Bacchi et al.	700	245	05/14/99
	AE	6	2	5	6	5	5	5		07/03/01	Bacchi et al.	700	245	12/02/98
	AF	6	1	6	0	2	6	5		12/12/00	Bacchi et al.	250	559.29	08/27/98
	AG	6	1	1	3	1	6	5		09/05/00	Wen et al.	294	1.1	10/02/98
	AH	6	1	0	9	6	7	7		08/29/00	Anthony	294	103.1	05/28/98
	AI	6	1	0	5	4	5	4		08/22/00	Bacchi et al.	074	490.03	06/16/98
	AJ	6	0	9	8	4	8	4		08/08/00	Bacchi et al.	074	490.03	12/02/98
	AK	5	9	8	8	9	7	1		11/23/99	Fossey et al.	414	416	07/09/97

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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m.m	AL	0	0	3	3	3	5	9		08.06.00	WO	H01L	21/00	X	
	AM	0	0	0	3	4	1	8		20.01.00	WO	H01L	21/00	X	
	AN	0	8	2	0	0	9	1		21.01.98	Europe	H01L	21/00	X	
	AO	9	7	4	5	8	6	1		04.12.97	WO	H01L	21/00	X	
	AP	9	7	4	4	8	1	6		27.11.97	WO	H01L	21/00	X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

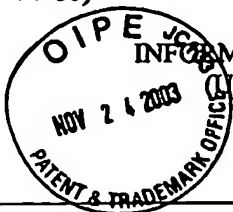
m.m	AR	Motion Engineering, Inc., Advanced motion control semiconductor front-end applications, 1999, Internet, pp. 1-12.
	AS	Srinivasan, Modeling and performance analysis of cluster tools using petri nets, 1998, IEEE, pp. 394-403.
	AT	Song et al., Intelligent rehabilitation robotic system for the disabled and the elderly, 1998, IEEE, pp. 2682-2685.

EXAMINER

DATE CONSIDERED

11/11/04

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m.m.	AA	5	9	8	0	1	8	8		11/09/99	Ko et al.	414	417	11/28/97
	AB	5	9	4	4	4	7	6		08/31/99	Bacchi et al.	414	783	03/26/97
	AC	5	8	7	0	4	8	8		02/09/99	Rush et al.	382	151	05/07/96
	AD	5	8	1	0	9	3	5		09/22/98	Lee et al.	118	728	11/29/95
	AE	5	7	6	5	4	4	4		06/16/98	Bacchi et al.	074	490.03	
	AF	5	7	4	1	1	1	3		04/21/98	Bacchi et al.	414	744.5	
	AG	5	6	9	7	7	5	9		12/16/97	Bacchi et al.	414	786	
	AH	5	6	6	9	6	4	4		09/23/97	Kaihitsu et al.	294	1.1	
	AI	5	5	3	8	3	8	5		07/23/96	Bacchi et al.	414	403	
	AJ	5	5	1	3	9	4	8		05/07/96	Bacchi et al.	414	783	
	AK	5	5	1	1	9	3	4		04/30/96	Bacchi et al.	414	783	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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m.m.	AL	8	2	2	7	9	3	1		03.09.96	Japan	H01L	21/68	Machine	
	AM	0	6	6	9	6	4	2		30.08.95	Europe	H01L	21/00	X	
	AN	7	2	0	1	9	4	7		04.08.95	Japan	21	68	X	
	AO	7	1	5	3	8	1	8		16.06.95	Japan	21	68	X	
	AP	7	0	3	7	9	6	0		07.02.95	Japan	H01L	21/68	Abstract	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

m.m.	AR	Arai et al., Micro endeffector with micro pyramids and integrated piezoresistive force sensor, 1996, IEEE, pp. 842-849.												
	AS	Hesselroth et al., Neural network control of a pneumatic robot arm, 1994, IEEE, pp. 28-38.												
	AT	Brett et al., A tactile sensing technique for automatic gripping of compact shaped non-rigid materials, 1994, IEEE, pp. 5/1-5/5.												

EXAMINER

m.m. McDowell Marc

DATE CONSIDERED

11/1/04

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FORM PTO-1449  
(REV. 7-80)

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EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m.m.	AA	5	4	5	6	5	6	1		10/10/95	Poduje et al.	414	225	
	AB	5	3	8	7	0	6	7		02/07/95	Grunes	414	217	
	AC	5	3	8	2	8	0	6		01/17/95	Bacchi et al.	250	561	
	AD	5	3	3	2	3	5	2		07/26/94	Poduje et al.	414	225	
	AE	5	2	3	8	3	5	4		08/24/93	Volovich	414	779	
	AF	5	1	3	3	6	3	5		07/28/92	Malin et al.	414	744.8	
	AG	5	0	9	2	7	2	9		03/03/92	Yamazaki et al.	414	225	
	AH	4	9	3	8	6	0	0		07/03/00	Into	365	401	
	AI	4	9	0	0	2	1	4		02/13/90	Ben	414	416	
	AJ	4	7	1	7	1	9	0		01/05/88	Witherspoon	294	99.2	
	AK	4	6	3	9	0	2	8		01/27/87	Olson	294	34	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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m.m.	AL	7	0	2	2	5	0	2		24.01.95	Japan	21	68	Machine	
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	AN	6	1	5	5	3	6	6		03.06.94	Japan	B25J	19/00	Machine	
	AO	4	3	4	3	4	4	8		30.11.92	Japan	21	68	Machine	
	AP	4	2	7	7	6	4	7		02.10.92	Japan	H01L	21/68	Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

m.m.	AR	Mahalingam et al., Special challenges of robotic gripping in space, 1988, IEEE, pp. 581-586.												
	AS													
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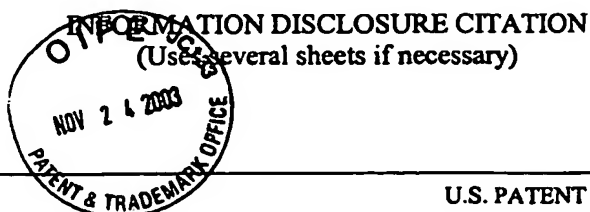
EXAMINER

*McDonnell Mac*

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11/11/04

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EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m. m	AA	4	6	6	2	8	1	1		05/05/87	Hayden	414	433	
	AB	4	4	5	2	4	8	0		06/05/84	Maier et al.	294	104	
	AC	4	4	1	0	2	0	9		10/18/83	Trapani	294	34	
	AD	4	0	2	4	9	4	4		05/24/97	Adams et al.	198	394	
	AE	2	3	6	7	9	9	1		01/23/45	Bailey	294	34	
	AF													
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EXAMINER *McDiarmid Marc*DATE CONSIDERED *11/11/04*

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m.m	AA	6	2	9	8	2	8	0	10/02/01	Bonora et al.	700	218	09/28/98
m.m	AB	6	1	1	6	8	4	8	09/12/00	Thomas et al.	414	754	11/26/97
m.m	AC	5	9	8	0	1	8	7	11/09/99	Verhovsky	414	416	04/17/97
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EXAMINER

*Mark Diannel & Marc*

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11/11/02

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m.m	AA	6 2 9 8 2 8 0	10/02/01	Bonora et al.	700	218	09/28/98
m.m	AB	6 1 1 6 8 4 8	09/12/00	Thomas et al.	414	754	11/26/97
m.m	AC	5 9 8 0 1 8 7	11/09/99	Verhovsky	414	416	04/17/97
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	AN							
	AO							
	AP							

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